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# UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No. AMK-BK-00001

First Inventor Sung Soon Park

Title "SEMICONDUCTOR PACKAGE STRUCTURE REDUCING WARPAGE..."

Express Mail Label No. EV 338 032 831 US

## APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

ADDRESS TO:

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1. ☒ Fee Transmittal Form (e.g., PTO/SB/17)  
(Submit an original, and a duplicate for fee processing)

2. ☐ Applicant Claims small entity status.  
See 37 C.F.R. § 1.27.

3. ☒ Specification  
(preferred arrangement set forth below) [Total Pages 26]  
• Descriptive title of the Invention  
• Cross References to Related Applications  
• Statement Regarding Fed-Sponsored R&D  
• Reference to sequence listing, a table,  
or a computer program listing appendix  
• Background of the Invention  
• Brief Summary of the Invention  
• Brief Description of the Drawings (if filed)  
• Detailed Description  
• Claim(s)  
• Abstract of the Disclosure

4. ☒ Drawing(s) (35 U.S.C. § 113) [Total Sheets 13]  
☒ Informal ☐ Formal

5. ☒ Oath or Declaration [Total Pages 3]  
a. ☒ Newly executed (original or copy)  
b. ☐ Copy from a prior application (37 CFR 1.63(d))  
(for continuation/divisional with Box 18 completed)  
i. ☐ DELETION OF INVENTOR(S)  
Signed statement attached deleting inventor(s) named in  
the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).

6. ☒ Application Data Sheet. See 37 C.F.R. § 1.76

18. If a CONTINUING APPLICATION, check appropriate box and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 C.F.R. § 1.76:  
☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No. \_\_\_\_/  
Prior application information: Examiner \_\_\_\_\_ Art Unit: \_\_\_\_\_

For CONTINUATION or DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

## 19. CORRESPONDENCE ADDRESS

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Signature

Date

September 26, 2003

This collection of information is required by 37 CFR 1.53(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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22264 U.S. PTO  
10/672886

09/26/03

|   |  |  |                |
|---|--|--|----------------|
| <h2 style="margin: 0;">FEE TRANSMITTAL</h2> <h3 style="margin: 0;">for FY 2003</h3> <p style="margin: 0; font-size: small;">Effective 01/01/2003. Patent fees are subject to annual revision.</p> |  | <p style="margin: 0; font-size: small;"><i>Complete if Known</i></p> |                |
| <input type="checkbox"/> Applicant claims small entity status. See 37 C.F.R. § 1.27   |  | Application Number   | Filed Herewith |
|   |  | Filing Date  | 9/26/2003      |
|   |  | First Named Inventor   | Sung Soon Park |
|   |  | Examiner Name  |                |
| <b>TOTAL AMOUNT OF PAYMENT</b> (\$ ) 790.00   |  | Art Unit   |                |
|   |  | Attorney Docket Number   | AMK-BK-00001   |

| METHOD OF PAYMENT (check one)   | FEE CALCULATION (continued)  |                 |                 |  |                             |                 |          |      |      |      |                    |                                     |      |      |      |      |                   |  |      |      |      |      |                  |                           |      |      |       |      |                    |  |      |      |      |      |                        |  |              |      |        |      |        |   |  |      |              |                |          |  |    |           |           |       |                    |   |          |           |       |                    |     |  |          |       |                |                 |                |   |                 |          |       |      |      |  |                        |      |      |      |      |                  |                                   |      |      |      |      |  |                                       |      |      |      |      |                          |   |      |       |      |       |   |   |      |              |      |    |                                  |  |             |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |   |  |      |     |      |     |   |  |      |    |      |    |  |       |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |                           |  |  |  |  |  |                                    |  |  |  |  |                             |
|---|--|-----------------|-----------------|--|-----------------------------|-----------------|----------|------|------|------|--------------------|-------------------------------------|------|------|------|------|-------------------|--|------|------|------|------|------------------|---------------------------|------|------|-------|------|--------------------|--|------|------|------|------|------------------------|--|--------------|------|--------|------|--------|---|--|------|--------------|----------------|----------|--|----|-----------|-----------|-------|--------------------|---|----------|-----------|-------|--------------------|-----|--|----------|-------|----------------|-----------------|----------------|---|-----------------|----------|-------|------|------|--|------------------------|------|------|------|------|------------------|-----------------------------------|------|------|------|------|--|---------------------------------------|------|------|------|------|--------------------------|---|------|-------|------|-------|---|---|------|--------------|------|----|----------------------------------|--|-------------|-------|------|-----|------------------------------------|--|------|-------|------|-----|--------------------------------|--|------|-----|------|-----|------------------|--|------|-----|------|-----|-----------------|--|------|-----|------|-----|-------------------------------|--|------|----|------|----|---|--|------|-----|------|-----|---|--|------|----|------|----|--|-------|------|-----|------|-----|---|--|------|-----|------|-----|--|--|------|-----|------|-----|---|--|------|-----|------|-----|---|--|---------------------------|--|--|--|--|--|------------------------------------|--|--|--|--|-----------------------------|
| <p>1. <input checked="" type="checkbox"/> The Director is authorized to charge indicated fees and credit any over payments to:</p> <p>Deposit Acct. No.    <b>50-0574 (Docket No. AMK-BK-00001)</b></p> <p>Deposit Acct Name    <b>Bever, Hoffman &amp; Harms, LLP</b></p> <p><input checked="" type="checkbox"/> Charge Any Additional Fee Required Under 37 CFR § 1.16 &amp; 1.17</p> <p>2. <input type="checkbox"/> Payment Enclosed:</p> <p style="margin-left: 20px;"> <input type="checkbox"/> Check    <input type="checkbox"/> Credit Card    <input type="checkbox"/> Money Order    <input type="checkbox"/> Other             </p>   | <p>3. <b>ADDITIONAL FEES</b></p> <table border="1" style="width: 100%; border-collapse: collapse; font-size: x-small;"> <thead> <tr> <th>Large Fee Code</th> <th>Entity Fee (\$)</th> <th>Small Fee Code</th> <th>Entity Fee (\$)</th> <th>Fee Description</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr><td>1051</td><td>130</td><td>2051</td><td>65</td><td>Surcharge - late filing fee or oath</td><td></td></tr> <tr><td>1052</td><td>50</td><td>2052</td><td>25</td><td>Surcharge - late provisional filing fee or cover sheet</td><td></td></tr> <tr><td>1053</td><td>130</td><td>1053</td><td>130</td><td>Non-English specification</td><td></td></tr> <tr><td>1812</td><td>2,520</td><td>1812</td><td>2,520</td><td>For filing a request for <i>ex parte</i> reexamination</td><td></td></tr> <tr><td>1804</td><td>920*</td><td>1804</td><td>920*</td><td>Requesting publication of SIR prior to Examiner action</td><td></td></tr> <tr><td>1805</td><td>1,840*</td><td>1805</td><td>1,840*</td><td>Requesting publication of SIR after Examiner action</td><td></td></tr> <tr><td>1251</td><td>110</td><td>2251</td><td>55</td><td>Extension for reply within first month</td><td></td></tr> <tr><td>1252</td><td>410</td><td>2252</td><td>205</td><td>Extension for reply within second month</td><td></td></tr> <tr><td>1253</td><td>930</td><td>2253</td><td>465</td><td>Extension for reply within third month</td><td></td></tr> <tr><td>1254</td><td>1450</td><td>2254</td><td>725</td><td>Extension for reply within fourth month</td><td></td></tr> <tr><td>1255</td><td>1,970</td><td>2255</td><td>985</td><td>Extension for reply within fifth month</td><td></td></tr> <tr><td>1401</td><td>320</td><td>2401</td><td>160</td><td>Notice of Appeal</td><td></td></tr> <tr><td>1402</td><td>320</td><td>2402</td><td>160</td><td>Filing a brief in support of an appeal</td><td></td></tr> <tr><td>1403</td><td>280</td><td>2403</td><td>140</td><td>Request for oral hearing</td><td></td></tr> <tr><td>1451</td><td>1,510</td><td>1451</td><td>1,510</td><td>Petition to institute a public use proceeding</td><td></td></tr> <tr><td>1452</td><td>110</td><td>2452</td><td>55</td><td>Petition to revive - unavoidable</td><td></td></tr> <tr><td>1453</td><td>1,300</td><td>2453</td><td>650</td><td>Petition to revive - unintentional</td><td></td></tr> <tr><td>1501</td><td>1,300</td><td>2501</td><td>650</td><td>Utility issue fee (or reissue)</td><td></td></tr> <tr><td>1502</td><td>470</td><td>2502</td><td>235</td><td>Design issue fee</td><td></td></tr> <tr><td>1503</td><td>630</td><td>2503</td><td>315</td><td>Plant issue fee</td><td></td></tr> <tr><td>1460</td><td>130</td><td>1460</td><td>130</td><td>Petitions to the Commissioner</td><td></td></tr> <tr><td>1807</td><td>50</td><td>1807</td><td>50</td><td>Petitions related to provisional applications</td><td></td></tr> <tr><td>1806</td><td>180</td><td>1806</td><td>180</td><td>Submission of Information Disclosure Stmt</td><td></td></tr> <tr><td>8021</td><td>40</td><td>8021</td><td>40</td><td>Recording each patent assignment per property (times number of properties)</td><td>40.00</td></tr> <tr><td>1809</td><td>750</td><td>2809</td><td>375</td><td>Filing a submission after final rejection (37 CFR 1.129(a))</td><td></td></tr> <tr><td>1810</td><td>750</td><td>2810</td><td>375</td><td>For each additional invention to be examined (37 CFR 1.129(b))</td><td></td></tr> <tr><td>1801</td><td>750</td><td>2801</td><td>375</td><td>Request for Continued Examination (RCE)</td><td></td></tr> <tr><td>1802</td><td>900</td><td>1802</td><td>900</td><td>Request for expedited examination of a design application</td><td></td></tr> <tr> <td colspan="6">Other fee (Specify) _____</td> </tr> <tr> <td colspan="5" style="text-align: right;">* Reduced by Basic Filing Fee Paid</td> <td style="text-align: right;">SUBTOTAL (3)    (\$ ) 40.00</td> </tr> </tbody> </table> | Large Fee Code  | Entity Fee (\$) | Small Fee Code   | Entity Fee (\$)             | Fee Description | Fee Paid | 1051 | 130  | 2051 | 65                 | Surcharge - late filing fee or oath |      | 1052 | 50   | 2052 | 25                | Surcharge - late provisional filing fee or cover sheet |      | 1053 | 130  | 1053 | 130              | Non-English specification |      | 1812 | 2,520 | 1812 | 2,520              | For filing a request for <i>ex parte</i> reexamination |      | 1804 | 920* | 1804 | 920*                   | Requesting publication of SIR prior to Examiner action |              | 1805 | 1,840* | 1805 | 1,840* | Requesting publication of SIR after Examiner action |  | 1251 | 110          | 2251           | 55       | Extension for reply within first month |    | 1252      | 410       | 2252  | 205                | Extension for reply within second month |          | 1253      | 930   | 2253               | 465 | Extension for reply within third month |          | 1254  | 1450           | 2254            | 725            | Extension for reply within fourth month |                 | 1255     | 1,970 | 2255 | 985  | Extension for reply within fifth month |                        | 1401 | 320  | 2401 | 160  | Notice of Appeal |                                   | 1402 | 320  | 2402 | 160  | Filing a brief in support of an appeal |                                       | 1403 | 280  | 2403 | 140  | Request for oral hearing |   | 1451 | 1,510 | 1451 | 1,510 | Petition to institute a public use proceeding |   | 1452 | 110          | 2452 | 55 | Petition to revive - unavoidable |  | 1453        | 1,300 | 2453 | 650 | Petition to revive - unintentional |  | 1501 | 1,300 | 2501 | 650 | Utility issue fee (or reissue) |  | 1502 | 470 | 2502 | 235 | Design issue fee |  | 1503 | 630 | 2503 | 315 | Plant issue fee |  | 1460 | 130 | 1460 | 130 | Petitions to the Commissioner |  | 1807 | 50 | 1807 | 50 | Petitions related to provisional applications |  | 1806 | 180 | 1806 | 180 | Submission of Information Disclosure Stmt |  | 8021 | 40 | 8021 | 40 | Recording each patent assignment per property (times number of properties) | 40.00 | 1809 | 750 | 2809 | 375 | Filing a submission after final rejection (37 CFR 1.129(a)) |  | 1810 | 750 | 2810 | 375 | For each additional invention to be examined (37 CFR 1.129(b)) |  | 1801 | 750 | 2801 | 375 | Request for Continued Examination (RCE) |  | 1802 | 900 | 1802 | 900 | Request for expedited examination of a design application |  | Other fee (Specify) _____ |  |  |  |  |  | * Reduced by Basic Filing Fee Paid |  |  |  |  | SUBTOTAL (3)    (\$ ) 40.00 |
| Large Fee Code  | Entity Fee (\$)  | Small Fee Code  | Entity Fee (\$) | Fee Description  | Fee Paid                    |                 |          |      |      |      |                    |                                     |      |      |      |      |                   |  |      |      |      |      |                  |                           |      |      |       |      |                    |  |      |      |      |      |                        |  |              |      |        |      |        |   |  |      |              |                |          |  |    |           |           |       |                    |   |          |           |       |                    |     |  |          |       |                |                 |                |   |                 |          |       |      |      |  |                        |      |      |      |      |                  |                                   |      |      |      |      |  |                                       |      |      |      |      |                          |   |      |       |      |       |   |   |      |              |      |    |                                  |  |             |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |   |  |      |     |      |     |   |  |      |    |      |    |  |       |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |                           |  |  |  |  |  |                                    |  |  |  |  |                             |
| 1051  | 130  | 2051            | 65              | Surcharge - late filing fee or oath  |                             |                 |          |      |      |      |                    |                                     |      |      |      |      |                   |  |      |      |      |      |                  |                           |      |      |       |      |                    |  |      |      |      |      |                        |  |              |      |        |      |        |   |  |      |              |                |          |  |    |           |           |       |                    |   |          |           |       |                    |     |  |          |       |                |                 |                |   |                 |          |       |      |      |  |                        |      |      |      |      |                  |                                   |      |      |      |      |  |                                       |      |      |      |      |                          |   |      |       |      |       |   |   |      |              |      |    |                                  |  |             |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |   |  |      |     |      |     |   |  |      |    |      |    |  |       |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |                           |  |  |  |  |  |                                    |  |  |  |  |                             |
| 1052  | 50   | 2052            | 25              | Surcharge - late provisional filing fee or cover sheet                     |                             |                 |          |      |      |      |                    |                                     |      |      |      |      |                   |  |      |      |      |      |                  |                           |      |      |       |      |                    |  |      |      |      |      |                        |  |              |      |        |      |        |   |  |      |              |                |          |  |    |           |           |       |                    |   |          |           |       |                    |     |  |          |       |                |                 |                |   |                 |          |       |      |      |  |                        |      |      |      |      |                  |                                   |      |      |      |      |  |                                       |      |      |      |      |                          |   |      |       |      |       |   |   |      |              |      |    |                                  |  |             |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |   |  |      |     |      |     |   |  |      |    |      |    |  |       |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |                           |  |  |  |  |  |                                    |  |  |  |  |                             |
| 1053  | 130  | 1053            | 130             | Non-English specification  |                             |                 |          |      |      |      |                    |                                     |      |      |      |      |                   |  |      |      |      |      |                  |                           |      |      |       |      |                    |  |      |      |      |      |                        |  |              |      |        |      |        |   |  |      |              |                |          |  |    |           |           |       |                    |   |          |           |       |                    |     |  |          |       |                |                 |                |   |                 |          |       |      |      |  |                        |      |      |      |      |                  |                                   |      |      |      |      |  |                                       |      |      |      |      |                          |   |      |       |      |       |   |   |      |              |      |    |                                  |  |             |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |   |  |      |     |      |     |   |  |      |    |      |    |  |       |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |                           |  |  |  |  |  |                                    |  |  |  |  |                             |
| 1812  | 2,520  | 1812            | 2,520           | For filing a request for <i>ex parte</i> reexamination                     |                             |                 |          |      |      |      |                    |                                     |      |      |      |      |                   |  |      |      |      |      |                  |                           |      |      |       |      |                    |  |      |      |      |      |                        |  |              |      |        |      |        |   |  |      |              |                |          |  |    |           |           |       |                    |   |          |           |       |                    |     |  |          |       |                |                 |                |   |                 |          |       |      |      |  |                        |      |      |      |      |                  |                                   |      |      |      |      |  |                                       |      |      |      |      |                          |   |      |       |      |       |   |   |      |              |      |    |                                  |  |             |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |   |  |      |     |      |     |   |  |      |    |      |    |  |       |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |                           |  |  |  |  |  |                                    |  |  |  |  |                             |
| 1804  | 920*   | 1804            | 920*            | Requesting publication of SIR prior to Examiner action                     |                             |                 |          |      |      |      |                    |                                     |      |      |      |      |                   |  |      |      |      |      |                  |                           |      |      |       |      |                    |  |      |      |      |      |                        |  |              |      |        |      |        |   |  |      |              |                |          |  |    |           |           |       |                    |   |          |           |       |                    |     |  |          |       |                |                 |                |   |                 |          |       |      |      |  |                        |      |      |      |      |                  |                                   |      |      |      |      |  |                                       |      |      |      |      |                          |   |      |       |      |       |   |   |      |              |      |    |                                  |  |             |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |   |  |      |     |      |     |   |  |      |    |      |    |  |       |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |                           |  |  |  |  |  |                                    |  |  |  |  |                             |
| 1805  | 1,840*   | 1805            | 1,840*          | Requesting publication of SIR after Examiner action                        |                             |                 |          |      |      |      |                    |                                     |      |      |      |      |                   |  |      |      |      |      |                  |                           |      |      |       |      |                    |  |      |      |      |      |                        |  |              |      |        |      |        |   |  |      |              |                |          |  |    |           |           |       |                    |   |          |           |       |                    |     |  |          |       |                |                 |                |   |                 |          |       |      |      |  |                        |      |      |      |      |                  |                                   |      |      |      |      |  |                                       |      |      |      |      |                          |   |      |       |      |       |   |   |      |              |      |    |                                  |  |             |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |   |  |      |     |      |     |   |  |      |    |      |    |  |       |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |                           |  |  |  |  |  |                                    |  |  |  |  |                             |
| 1251  | 110  | 2251            | 55              | Extension for reply within first month                                     |                             |                 |          |      |      |      |                    |                                     |      |      |      |      |                   |  |      |      |      |      |                  |                           |      |      |       |      |                    |  |      |      |      |      |                        |  |              |      |        |      |        |   |  |      |              |                |          |  |    |           |           |       |                    |   |          |           |       |                    |     |  |          |       |                |                 |                |   |                 |          |       |      |      |  |                        |      |      |      |      |                  |                                   |      |      |      |      |  |                                       |      |      |      |      |                          |   |      |       |      |       |   |   |      |              |      |    |                                  |  |             |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |   |  |      |     |      |     |   |  |      |    |      |    |  |       |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |                           |  |  |  |  |  |                                    |  |  |  |  |                             |
| 1252  | 410  | 2252            | 205             | Extension for reply within second month                                    |                             |                 |          |      |      |      |                    |                                     |      |      |      |      |                   |  |      |      |      |      |                  |                           |      |      |       |      |                    |  |      |      |      |      |                        |  |              |      |        |      |        |   |  |      |              |                |          |  |    |           |           |       |                    |   |          |           |       |                    |     |  |          |       |                |                 |                |   |                 |          |       |      |      |  |                        |      |      |      |      |                  |                                   |      |      |      |      |  |                                       |      |      |      |      |                          |   |      |       |      |       |   |   |      |              |      |    |                                  |  |             |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |   |  |      |     |      |     |   |  |      |    |      |    |  |       |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |                           |  |  |  |  |  |                                    |  |  |  |  |                             |
| 1253  | 930  | 2253            | 465             | Extension for reply within third month                                     |                             |                 |          |      |      |      |                    |                                     |      |      |      |      |                   |  |      |      |      |      |                  |                           |      |      |       |      |                    |  |      |      |      |      |                        |  |              |      |        |      |        |   |  |      |              |                |          |  |    |           |           |       |                    |   |          |           |       |                    |     |  |          |       |                |                 |                |   |                 |          |       |      |      |  |                        |      |      |      |      |                  |                                   |      |      |      |      |  |                                       |      |      |      |      |                          |   |      |       |      |       |   |   |      |              |      |    |                                  |  |             |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |   |  |      |     |      |     |   |  |      |    |      |    |  |       |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |                           |  |  |  |  |  |                                    |  |  |  |  |                             |
| 1254  | 1450   | 2254            | 725             | Extension for reply within fourth month                                    |                             |                 |          |      |      |      |                    |                                     |      |      |      |      |                   |  |      |      |      |      |                  |                           |      |      |       |      |                    |  |      |      |      |      |                        |  |              |      |        |      |        |   |  |      |              |                |          |  |    |           |           |       |                    |   |          |           |       |                    |     |  |          |       |                |                 |                |   |                 |          |       |      |      |  |                        |      |      |      |      |                  |                                   |      |      |      |      |  |                                       |      |      |      |      |                          |   |      |       |      |       |   |   |      |              |      |    |                                  |  |             |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |   |  |      |     |      |     |   |  |      |    |      |    |  |       |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |                           |  |  |  |  |  |                                    |  |  |  |  |                             |
| 1255  | 1,970  | 2255            | 985             | Extension for reply within fifth month                                     |                             |                 |          |      |      |      |                    |                                     |      |      |      |      |                   |  |      |      |      |      |                  |                           |      |      |       |      |                    |  |      |      |      |      |                        |  |              |      |        |      |        |   |  |      |              |                |          |  |    |           |           |       |                    |   |          |           |       |                    |     |  |          |       |                |                 |                |   |                 |          |       |      |      |  |                        |      |      |      |      |                  |                                   |      |      |      |      |  |                                       |      |      |      |      |                          |   |      |       |      |       |   |   |      |              |      |    |                                  |  |             |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |   |  |      |     |      |     |   |  |      |    |      |    |  |       |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |                           |  |  |  |  |  |                                    |  |  |  |  |                             |
| 1401  | 320  | 2401            | 160             | Notice of Appeal   |                             |                 |          |      |      |      |                    |                                     |      |      |      |      |                   |  |      |      |      |      |                  |                           |      |      |       |      |                    |  |      |      |      |      |                        |  |              |      |        |      |        |   |  |      |              |                |          |  |    |           |           |       |                    |   |          |           |       |                    |     |  |          |       |                |                 |                |   |                 |          |       |      |      |  |                        |      |      |      |      |                  |                                   |      |      |      |      |  |                                       |      |      |      |      |                          |   |      |       |      |       |   |   |      |              |      |    |                                  |  |             |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |   |  |      |     |      |     |   |  |      |    |      |    |  |       |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |                           |  |  |  |  |  |                                    |  |  |  |  |                             |
| 1402  | 320  | 2402            | 160             | Filing a brief in support of an appeal                                     |                             |                 |          |      |      |      |                    |                                     |      |      |      |      |                   |  |      |      |      |      |                  |                           |      |      |       |      |                    |  |      |      |      |      |                        |  |              |      |        |      |        |   |  |      |              |                |          |  |    |           |           |       |                    |   |          |           |       |                    |     |  |          |       |                |                 |                |   |                 |          |       |      |      |  |                        |      |      |      |      |                  |                                   |      |      |      |      |  |                                       |      |      |      |      |                          |   |      |       |      |       |   |   |      |              |      |    |                                  |  |             |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |   |  |      |     |      |     |   |  |      |    |      |    |  |       |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |                           |  |  |  |  |  |                                    |  |  |  |  |                             |
| 1403  | 280  | 2403            | 140             | Request for oral hearing   |                             |                 |          |      |      |      |                    |                                     |      |      |      |      |                   |  |      |      |      |      |                  |                           |      |      |       |      |                    |  |      |      |      |      |                        |  |              |      |        |      |        |   |  |      |              |                |          |  |    |           |           |       |                    |   |          |           |       |                    |     |  |          |       |                |                 |                |   |                 |          |       |      |      |  |                        |      |      |      |      |                  |                                   |      |      |      |      |  |                                       |      |      |      |      |                          |   |      |       |      |       |   |   |      |              |      |    |                                  |  |             |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |   |  |      |     |      |     |   |  |      |    |      |    |  |       |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |                           |  |  |  |  |  |                                    |  |  |  |  |                             |
| 1451  | 1,510  | 1451            | 1,510           | Petition to institute a public use proceeding                              |                             |                 |          |      |      |      |                    |                                     |      |      |      |      |                   |  |      |      |      |      |                  |                           |      |      |       |      |                    |  |      |      |      |      |                        |  |              |      |        |      |        |   |  |      |              |                |          |  |    |           |           |       |                    |   |          |           |       |                    |     |  |          |       |                |                 |                |   |                 |          |       |      |      |  |                        |      |      |      |      |                  |                                   |      |      |      |      |  |                                       |      |      |      |      |                          |   |      |       |      |       |   |   |      |              |      |    |                                  |  |             |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |   |  |      |     |      |     |   |  |      |    |      |    |  |       |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |                           |  |  |  |  |  |                                    |  |  |  |  |                             |
| 1452  | 110  | 2452            | 55              | Petition to revive - unavoidable   |                             |                 |          |      |      |      |                    |                                     |      |      |      |      |                   |  |      |      |      |      |                  |                           |      |      |       |      |                    |  |      |      |      |      |                        |  |              |      |        |      |        |   |  |      |              |                |          |  |    |           |           |       |                    |   |          |           |       |                    |     |  |          |       |                |                 |                |   |                 |          |       |      |      |  |                        |      |      |      |      |                  |                                   |      |      |      |      |  |                                       |      |      |      |      |                          |   |      |       |      |       |   |   |      |              |      |    |                                  |  |             |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |   |  |      |     |      |     |   |  |      |    |      |    |  |       |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |                           |  |  |  |  |  |                                    |  |  |  |  |                             |
| 1453  | 1,300  | 2453            | 650             | Petition to revive - unintentional   |                             |                 |          |      |      |      |                    |                                     |      |      |      |      |                   |  |      |      |      |      |                  |                           |      |      |       |      |                    |  |      |      |      |      |                        |  |              |      |        |      |        |   |  |      |              |                |          |  |    |           |           |       |                    |   |          |           |       |                    |     |  |          |       |                |                 |                |   |                 |          |       |      |      |  |                        |      |      |      |      |                  |                                   |      |      |      |      |  |                                       |      |      |      |      |                          |   |      |       |      |       |   |   |      |              |      |    |                                  |  |             |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |   |  |      |     |      |     |   |  |      |    |      |    |  |       |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |                           |  |  |  |  |  |                                    |  |  |  |  |                             |
| 1501  | 1,300  | 2501            | 650             | Utility issue fee (or reissue)   |                             |                 |          |      |      |      |                    |                                     |      |      |      |      |                   |  |      |      |      |      |                  |                           |      |      |       |      |                    |  |      |      |      |      |                        |  |              |      |        |      |        |   |  |      |              |                |          |  |    |           |           |       |                    |   |          |           |       |                    |     |  |          |       |                |                 |                |   |                 |          |       |      |      |  |                        |      |      |      |      |                  |                                   |      |      |      |      |  |                                       |      |      |      |      |                          |   |      |       |      |       |   |   |      |              |      |    |                                  |  |             |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |   |  |      |     |      |     |   |  |      |    |      |    |  |       |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |                           |  |  |  |  |  |                                    |  |  |  |  |                             |
| 1502  | 470  | 2502            | 235             | Design issue fee   |                             |                 |          |      |      |      |                    |                                     |      |      |      |      |                   |  |      |      |      |      |                  |                           |      |      |       |      |                    |  |      |      |      |      |                        |  |              |      |        |      |        |   |  |      |              |                |          |  |    |           |           |       |                    |   |          |           |       |                    |     |  |          |       |                |                 |                |   |                 |          |       |      |      |  |                        |      |      |      |      |                  |                                   |      |      |      |      |  |                                       |      |      |      |      |                          |   |      |       |      |       |   |   |      |              |      |    |                                  |  |             |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |   |  |      |     |      |     |   |  |      |    |      |    |  |       |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |                           |  |  |  |  |  |                                    |  |  |  |  |                             |
| 1503  | 630  | 2503            | 315             | Plant issue fee  |                             |                 |          |      |      |      |                    |                                     |      |      |      |      |                   |  |      |      |      |      |                  |                           |      |      |       |      |                    |  |      |      |      |      |                        |  |              |      |        |      |        |   |  |      |              |                |          |  |    |           |           |       |                    |   |          |           |       |                    |     |  |          |       |                |                 |                |   |                 |          |       |      |      |  |                        |      |      |      |      |                  |                                   |      |      |      |      |  |                                       |      |      |      |      |                          |   |      |       |      |       |   |   |      |              |      |    |                                  |  |             |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |   |  |      |     |      |     |   |  |      |    |      |    |  |       |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |                           |  |  |  |  |  |                                    |  |  |  |  |                             |
| 1460  | 130  | 1460            | 130             | Petitions to the Commissioner  |                             |                 |          |      |      |      |                    |                                     |      |      |      |      |                   |  |      |      |      |      |                  |                           |      |      |       |      |                    |  |      |      |      |      |                        |  |              |      |        |      |        |   |  |      |              |                |          |  |    |           |           |       |                    |   |          |           |       |                    |     |  |          |       |                |                 |                |   |                 |          |       |      |      |  |                        |      |      |      |      |                  |                                   |      |      |      |      |  |                                       |      |      |      |      |                          |   |      |       |      |       |   |   |      |              |      |    |                                  |  |             |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |   |  |      |     |      |     |   |  |      |    |      |    |  |       |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |                           |  |  |  |  |  |                                    |  |  |  |  |                             |
| 1807  | 50   | 1807            | 50              | Petitions related to provisional applications                              |                             |                 |          |      |      |      |                    |                                     |      |      |      |      |                   |  |      |      |      |      |                  |                           |      |      |       |      |                    |  |      |      |      |      |                        |  |              |      |        |      |        |   |  |      |              |                |          |  |    |           |           |       |                    |   |          |           |       |                    |     |  |          |       |                |                 |                |   |                 |          |       |      |      |  |                        |      |      |      |      |                  |                                   |      |      |      |      |  |                                       |      |      |      |      |                          |   |      |       |      |       |   |   |      |              |      |    |                                  |  |             |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |   |  |      |     |      |     |   |  |      |    |      |    |  |       |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |                           |  |  |  |  |  |                                    |  |  |  |  |                             |
| 1806  | 180  | 1806            | 180             | Submission of Information Disclosure Stmt                                  |                             |                 |          |      |      |      |                    |                                     |      |      |      |      |                   |  |      |      |      |      |                  |                           |      |      |       |      |                    |  |      |      |      |      |                        |  |              |      |        |      |        |   |  |      |              |                |          |  |    |           |           |       |                    |   |          |           |       |                    |     |  |          |       |                |                 |                |   |                 |          |       |      |      |  |                        |      |      |      |      |                  |                                   |      |      |      |      |  |                                       |      |      |      |      |                          |   |      |       |      |       |   |   |      |              |      |    |                                  |  |             |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |   |  |      |     |      |     |   |  |      |    |      |    |  |       |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |                           |  |  |  |  |  |                                    |  |  |  |  |                             |
| 8021  | 40   | 8021            | 40              | Recording each patent assignment per property (times number of properties) | 40.00                       |                 |          |      |      |      |                    |                                     |      |      |      |      |                   |  |      |      |      |      |                  |                           |      |      |       |      |                    |  |      |      |      |      |                        |  |              |      |        |      |        |   |  |      |              |                |          |  |    |           |           |       |                    |   |          |           |       |                    |     |  |          |       |                |                 |                |   |                 |          |       |      |      |  |                        |      |      |      |      |                  |                                   |      |      |      |      |  |                                       |      |      |      |      |                          |   |      |       |      |       |   |   |      |              |      |    |                                  |  |             |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |   |  |      |     |      |     |   |  |      |    |      |    |  |       |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |                           |  |  |  |  |  |                                    |  |  |  |  |                             |
| 1809  | 750  | 2809            | 375             | Filing a submission after final rejection (37 CFR 1.129(a))                |                             |                 |          |      |      |      |                    |                                     |      |      |      |      |                   |  |      |      |      |      |                  |                           |      |      |       |      |                    |  |      |      |      |      |                        |  |              |      |        |      |        |   |  |      |              |                |          |  |    |           |           |       |                    |   |          |           |       |                    |     |  |          |       |                |                 |                |   |                 |          |       |      |      |  |                        |      |      |      |      |                  |                                   |      |      |      |      |  |                                       |      |      |      |      |                          |   |      |       |      |       |   |   |      |              |      |    |                                  |  |             |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |   |  |      |     |      |     |   |  |      |    |      |    |  |       |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |                           |  |  |  |  |  |                                    |  |  |  |  |                             |
| 1810  | 750  | 2810            | 375             | For each additional invention to be examined (37 CFR 1.129(b))             |                             |                 |          |      |      |      |                    |                                     |      |      |      |      |                   |  |      |      |      |      |                  |                           |      |      |       |      |                    |  |      |      |      |      |                        |  |              |      |        |      |        |   |  |      |              |                |          |  |    |           |           |       |                    |   |          |           |       |                    |     |  |          |       |                |                 |                |   |                 |          |       |      |      |  |                        |      |      |      |      |                  |                                   |      |      |      |      |  |                                       |      |      |      |      |                          |   |      |       |      |       |   |   |      |              |      |    |                                  |  |             |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |   |  |      |     |      |     |   |  |      |    |      |    |  |       |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |                           |  |  |  |  |  |                                    |  |  |  |  |                             |
| 1801  | 750  | 2801            | 375             | Request for Continued Examination (RCE)                                    |                             |                 |          |      |      |      |                    |                                     |      |      |      |      |                   |  |      |      |      |      |                  |                           |      |      |       |      |                    |  |      |      |      |      |                        |  |              |      |        |      |        |   |  |      |              |                |          |  |    |           |           |       |                    |   |          |           |       |                    |     |  |          |       |                |                 |                |   |                 |          |       |      |      |  |                        |      |      |      |      |                  |                                   |      |      |      |      |  |                                       |      |      |      |      |                          |   |      |       |      |       |   |   |      |              |      |    |                                  |  |             |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |   |  |      |     |      |     |   |  |      |    |      |    |  |       |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |                           |  |  |  |  |  |                                    |  |  |  |  |                             |
| 1802  | 900  | 1802            | 900             | Request for expedited examination of a design application                  |                             |                 |          |      |      |      |                    |                                     |      |      |      |      |                   |  |      |      |      |      |                  |                           |      |      |       |      |                    |  |      |      |      |      |                        |  |              |      |        |      |        |   |  |      |              |                |          |  |    |           |           |       |                    |   |          |           |       |                    |     |  |          |       |                |                 |                |   |                 |          |       |      |      |  |                        |      |      |      |      |                  |                                   |      |      |      |      |  |                                       |      |      |      |      |                          |   |      |       |      |       |   |   |      |              |      |    |                                  |  |             |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |   |  |      |     |      |     |   |  |      |    |      |    |  |       |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |                           |  |  |  |  |  |                                    |  |  |  |  |                             |
| Other fee (Specify) _____   |  |                 |                 |  |                             |                 |          |      |      |      |                    |                                     |      |      |      |      |                   |  |      |      |      |      |                  |                           |      |      |       |      |                    |  |      |      |      |      |                        |  |              |      |        |      |        |   |  |      |              |                |          |  |    |           |           |       |                    |   |          |           |       |                    |     |  |          |       |                |                 |                |   |                 |          |       |      |      |  |                        |      |      |      |      |                  |                                   |      |      |      |      |  |                                       |      |      |      |      |                          |   |      |       |      |       |   |   |      |              |      |    |                                  |  |             |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |   |  |      |     |      |     |   |  |      |    |      |    |  |       |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |                           |  |  |  |  |  |                                    |  |  |  |  |                             |
| * Reduced by Basic Filing Fee Paid  |  |                 |                 |  | SUBTOTAL (3)    (\$ ) 40.00 |                 |          |      |      |      |                    |                                     |      |      |      |      |                   |  |      |      |      |      |                  |                           |      |      |       |      |                    |  |      |      |      |      |                        |  |              |      |        |      |        |   |  |      |              |                |          |  |    |           |           |       |                    |   |          |           |       |                    |     |  |          |       |                |                 |                |   |                 |          |       |      |      |  |                        |      |      |      |      |                  |                                   |      |      |      |      |  |                                       |      |      |      |      |                          |   |      |       |      |       |   |   |      |              |      |    |                                  |  |             |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |   |  |      |     |      |     |   |  |      |    |      |    |  |       |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |                           |  |  |  |  |  |                                    |  |  |  |  |                             |
| <p><b>1. BASIC FILING FEE</b></p> <table border="1" style="width: 100%; border-collapse: collapse; font-size: x-small;"> <thead> <tr> <th>Large Fee Code</th> <th>Entity Fee (\$)</th> <th>Small Fee Code</th> <th>Entity Fee (\$)</th> <th>Fee Description</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr><td>1001</td><td>750</td><td>2001</td><td>375</td><td>Utility filing fee</td><td>750.00</td></tr> <tr><td>1002</td><td>330</td><td>2002</td><td>165</td><td>Design filing fee</td><td></td></tr> <tr><td>1003</td><td>520</td><td>2003</td><td>260</td><td>Plant filing fee</td><td></td></tr> <tr><td>1004</td><td>750</td><td>2004</td><td>375</td><td>Reissue filing fee</td><td></td></tr> <tr><td>1005</td><td>160</td><td>2005</td><td>80</td><td>Provisional filing fee</td><td></td></tr> <tr> <td colspan="5" style="text-align: right;">SUBTOTAL (1)</td> <td style="text-align: right;">(\$ ) 750.00</td> </tr> </tbody> </table> <p><b>2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE</b></p> <table border="1" style="width: 100%; border-collapse: collapse; font-size: x-small;"> <thead> <tr> <th colspan="2"></th> <th>Extra Claims</th> <th>Fee from below</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr> <td>Total Claims</td> <td>20</td> <td>-20** = 0</td> <td>x 18.00 =</td> <td>00.00</td> </tr> <tr> <td>Independent Claims</td> <td>3</td> <td>-3** = 0</td> <td>x 84.00 =</td> <td>00.00</td> </tr> <tr> <td>Multiple Dependent</td> <td></td> <td></td> <td>280.00 =</td> <td>00.00</td> </tr> </tbody> </table> <p style="font-size: x-small;">**or number previously paid, if greater; For Reissues, see below</p> <table border="1" style="width: 100%; border-collapse: collapse; font-size: x-small;"> <thead> <tr> <th>Large Fee Code</th> <th>Entity Fee (\$)</th> <th>Small Fee Code</th> <th>Entity Fee (\$)</th> <th>Fee Description</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr><td>1202</td><td>18</td><td>2202</td><td>9</td><td>Claims in excess of 20</td><td></td></tr> <tr><td>1201</td><td>84</td><td>2201</td><td>42</td><td>Independent claims in excess of 3</td><td></td></tr> <tr><td>1203</td><td>280</td><td>2203</td><td>140</td><td>Multiple dependent claim, if not paid</td><td></td></tr> <tr><td>1204</td><td>84</td><td>2204</td><td>42</td><td>**Reissue independent claims over original patent</td><td></td></tr> <tr><td>1205</td><td>18</td><td>2205</td><td>9</td><td>**Reissue claims in excess of 20 and over original patent</td><td></td></tr> <tr> <td colspan="5" style="text-align: right;">SUBTOTAL (2)</td> <td style="text-align: right;">(\$ ) 00.00</td> </tr> </tbody> </table> | Large Fee Code   | Entity Fee (\$) | Small Fee Code  | Entity Fee (\$)  | Fee Description             | Fee Paid        | 1001     | 750  | 2001 | 375  | Utility filing fee | 750.00                              | 1002 | 330  | 2002 | 165  | Design filing fee |  | 1003 | 520  | 2003 | 260  | Plant filing fee |                           | 1004 | 750  | 2004  | 375  | Reissue filing fee |  | 1005 | 160  | 2005 | 80   | Provisional filing fee |  | SUBTOTAL (1) |      |        |      |        | (\$ ) 750.00  |  |      | Extra Claims | Fee from below | Fee Paid | Total Claims                           | 20 | -20** = 0 | x 18.00 = | 00.00 | Independent Claims | 3                                       | -3** = 0 | x 84.00 = | 00.00 | Multiple Dependent |     |  | 280.00 = | 00.00 | Large Fee Code | Entity Fee (\$) | Small Fee Code | Entity Fee (\$)                         | Fee Description | Fee Paid | 1202  | 18   | 2202 | 9                                      | Claims in excess of 20 |      | 1201 | 84   | 2201 | 42               | Independent claims in excess of 3 |      | 1203 | 280  | 2203 | 140                                    | Multiple dependent claim, if not paid |      | 1204 | 84   | 2204 | 42                       | **Reissue independent claims over original patent |      | 1205  | 18   | 2205  | 9   | **Reissue claims in excess of 20 and over original patent |      | SUBTOTAL (2) |      |    |                                  |  | (\$ ) 00.00 |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |   |  |      |     |      |     |   |  |      |    |      |    |  |       |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |                           |  |  |  |  |  |                                    |  |  |  |  |                             |
| Large Fee Code  | Entity Fee (\$)  | Small Fee Code  | Entity Fee (\$) | Fee Description  | Fee Paid                    |                 |          |      |      |      |                    |                                     |      |      |      |      |                   |  |      |      |      |      |                  |                           |      |      |       |      |                    |  |      |      |      |      |                        |  |              |      |        |      |        |   |  |      |              |                |          |  |    |           |           |       |                    |   |          |           |       |                    |     |  |          |       |                |                 |                |   |                 |          |       |      |      |  |                        |      |      |      |      |                  |                                   |      |      |      |      |  |                                       |      |      |      |      |                          |   |      |       |      |       |   |   |      |              |      |    |                                  |  |             |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |   |  |      |     |      |     |   |  |      |    |      |    |  |       |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |                           |  |  |  |  |  |                                    |  |  |  |  |                             |
| 1001  | 750  | 2001            | 375             | Utility filing fee   | 750.00                      |                 |          |      |      |      |                    |                                     |      |      |      |      |                   |  |      |      |      |      |                  |                           |      |      |       |      |                    |  |      |      |      |      |                        |  |              |      |        |      |        |   |  |      |              |                |          |  |    |           |           |       |                    |   |          |           |       |                    |     |  |          |       |                |                 |                |   |                 |          |       |      |      |  |                        |      |      |      |      |                  |                                   |      |      |      |      |  |                                       |      |      |      |      |                          |   |      |       |      |       |   |   |      |              |      |    |                                  |  |             |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |   |  |      |     |      |     |   |  |      |    |      |    |  |       |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |                           |  |  |  |  |  |                                    |  |  |  |  |                             |
| 1002  | 330  | 2002            | 165             | Design filing fee  |                             |                 |          |      |      |      |                    |                                     |      |      |      |      |                   |  |      |      |      |      |                  |                           |      |      |       |      |                    |  |      |      |      |      |                        |  |              |      |        |      |        |   |  |      |              |                |          |  |    |           |           |       |                    |   |          |           |       |                    |     |  |          |       |                |                 |                |   |                 |          |       |      |      |  |                        |      |      |      |      |                  |                                   |      |      |      |      |  |                                       |      |      |      |      |                          |   |      |       |      |       |   |   |      |              |      |    |                                  |  |             |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |   |  |      |     |      |     |   |  |      |    |      |    |  |       |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |                           |  |  |  |  |  |                                    |  |  |  |  |                             |
| 1003  | 520  | 2003            | 260             | Plant filing fee   |                             |                 |          |      |      |      |                    |                                     |      |      |      |      |                   |  |      |      |      |      |                  |                           |      |      |       |      |                    |  |      |      |      |      |                        |  |              |      |        |      |        |   |  |      |              |                |          |  |    |           |           |       |                    |   |          |           |       |                    |     |  |          |       |                |                 |                |   |                 |          |       |      |      |  |                        |      |      |      |      |                  |                                   |      |      |      |      |  |                                       |      |      |      |      |                          |   |      |       |      |       |   |   |      |              |      |    |                                  |  |             |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |   |  |      |     |      |     |   |  |      |    |      |    |  |       |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |                           |  |  |  |  |  |                                    |  |  |  |  |                             |
| 1004  | 750  | 2004            | 375             | Reissue filing fee   |                             |                 |          |      |      |      |                    |                                     |      |      |      |      |                   |  |      |      |      |      |                  |                           |      |      |       |      |                    |  |      |      |      |      |                        |  |              |      |        |      |        |   |  |      |              |                |          |  |    |           |           |       |                    |   |          |           |       |                    |     |  |          |       |                |                 |                |   |                 |          |       |      |      |  |                        |      |      |      |      |                  |                                   |      |      |      |      |  |                                       |      |      |      |      |                          |   |      |       |      |       |   |   |      |              |      |    |                                  |  |             |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |   |  |      |     |      |     |   |  |      |    |      |    |  |       |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |                           |  |  |  |  |  |                                    |  |  |  |  |                             |
| 1005  | 160  | 2005            | 80              | Provisional filing fee   |                             |                 |          |      |      |      |                    |                                     |      |      |      |      |                   |  |      |      |      |      |                  |                           |      |      |       |      |                    |  |      |      |      |      |                        |  |              |      |        |      |        |   |  |      |              |                |          |  |    |           |           |       |                    |   |          |           |       |                    |     |  |          |       |                |                 |                |   |                 |          |       |      |      |  |                        |      |      |      |      |                  |                                   |      |      |      |      |  |                                       |      |      |      |      |                          |   |      |       |      |       |   |   |      |              |      |    |                                  |  |             |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |   |  |      |     |      |     |   |  |      |    |      |    |  |       |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |                           |  |  |  |  |  |                                    |  |  |  |  |                             |
| SUBTOTAL (1)  |  |                 |                 |  | (\$ ) 750.00                |                 |          |      |      |      |                    |                                     |      |      |      |      |                   |  |      |      |      |      |                  |                           |      |      |       |      |                    |  |      |      |      |      |                        |  |              |      |        |      |        |   |  |      |              |                |          |  |    |           |           |       |                    |   |          |           |       |                    |     |  |          |       |                |                 |                |   |                 |          |       |      |      |  |                        |      |      |      |      |                  |                                   |      |      |      |      |  |                                       |      |      |      |      |                          |   |      |       |      |       |   |   |      |              |      |    |                                  |  |             |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |   |  |      |     |      |     |   |  |      |    |      |    |  |       |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |                           |  |  |  |  |  |                                    |  |  |  |  |                             |
|   |  | Extra Claims    | Fee from below  | Fee Paid   |                             |                 |          |      |      |      |                    |                                     |      |      |      |      |                   |  |      |      |      |      |                  |                           |      |      |       |      |                    |  |      |      |      |      |                        |  |              |      |        |      |        |   |  |      |              |                |          |  |    |           |           |       |                    |   |          |           |       |                    |     |  |          |       |                |                 |                |   |                 |          |       |      |      |  |                        |      |      |      |      |                  |                                   |      |      |      |      |  |                                       |      |      |      |      |                          |   |      |       |      |       |   |   |      |              |      |    |                                  |  |             |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |   |  |      |     |      |     |   |  |      |    |      |    |  |       |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |                           |  |  |  |  |  |                                    |  |  |  |  |                             |
| Total Claims  | 20   | -20** = 0       | x 18.00 =       | 00.00  |                             |                 |          |      |      |      |                    |                                     |      |      |      |      |                   |  |      |      |      |      |                  |                           |      |      |       |      |                    |  |      |      |      |      |                        |  |              |      |        |      |        |   |  |      |              |                |          |  |    |           |           |       |                    |   |          |           |       |                    |     |  |          |       |                |                 |                |   |                 |          |       |      |      |  |                        |      |      |      |      |                  |                                   |      |      |      |      |  |                                       |      |      |      |      |                          |   |      |       |      |       |   |   |      |              |      |    |                                  |  |             |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |   |  |      |     |      |     |   |  |      |    |      |    |  |       |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |                           |  |  |  |  |  |                                    |  |  |  |  |                             |
| Independent Claims  | 3  | -3** = 0        | x 84.00 =       | 00.00  |                             |                 |          |      |      |      |                    |                                     |      |      |      |      |                   |  |      |      |      |      |                  |                           |      |      |       |      |                    |  |      |      |      |      |                        |  |              |      |        |      |        |   |  |      |              |                |          |  |    |           |           |       |                    |   |          |           |       |                    |     |  |          |       |                |                 |                |   |                 |          |       |      |      |  |                        |      |      |      |      |                  |                                   |      |      |      |      |  |                                       |      |      |      |      |                          |   |      |       |      |       |   |   |      |              |      |    |                                  |  |             |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |   |  |      |     |      |     |   |  |      |    |      |    |  |       |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |                           |  |  |  |  |  |                                    |  |  |  |  |                             |
| Multiple Dependent  |  |                 | 280.00 =        | 00.00  |                             |                 |          |      |      |      |                    |                                     |      |      |      |      |                   |  |      |      |      |      |                  |                           |      |      |       |      |                    |  |      |      |      |      |                        |  |              |      |        |      |        |   |  |      |              |                |          |  |    |           |           |       |                    |   |          |           |       |                    |     |  |          |       |                |                 |                |   |                 |          |       |      |      |  |                        |      |      |      |      |                  |                                   |      |      |      |      |  |                                       |      |      |      |      |                          |   |      |       |      |       |   |   |      |              |      |    |                                  |  |             |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |   |  |      |     |      |     |   |  |      |    |      |    |  |       |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |                           |  |  |  |  |  |                                    |  |  |  |  |                             |
| Large Fee Code  | Entity Fee (\$)  | Small Fee Code  | Entity Fee (\$) | Fee Description  | Fee Paid                    |                 |          |      |      |      |                    |                                     |      |      |      |      |                   |  |      |      |      |      |                  |                           |      |      |       |      |                    |  |      |      |      |      |                        |  |              |      |        |      |        |   |  |      |              |                |          |  |    |           |           |       |                    |   |          |           |       |                    |     |  |          |       |                |                 |                |   |                 |          |       |      |      |  |                        |      |      |      |      |                  |                                   |      |      |      |      |  |                                       |      |      |      |      |                          |   |      |       |      |       |   |   |      |              |      |    |                                  |  |             |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |   |  |      |     |      |     |   |  |      |    |      |    |  |       |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |                           |  |  |  |  |  |                                    |  |  |  |  |                             |
| 1202  | 18   | 2202            | 9               | Claims in excess of 20   |                             |                 |          |      |      |      |                    |                                     |      |      |      |      |                   |  |      |      |      |      |                  |                           |      |      |       |      |                    |  |      |      |      |      |                        |  |              |      |        |      |        |   |  |      |              |                |          |  |    |           |           |       |                    |   |          |           |       |                    |     |  |          |       |                |                 |                |   |                 |          |       |      |      |  |                        |      |      |      |      |                  |                                   |      |      |      |      |  |                                       |      |      |      |      |                          |   |      |       |      |       |   |   |      |              |      |    |                                  |  |             |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |   |  |      |     |      |     |   |  |      |    |      |    |  |       |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |                           |  |  |  |  |  |                                    |  |  |  |  |                             |
| 1201  | 84   | 2201            | 42              | Independent claims in excess of 3  |                             |                 |          |      |      |      |                    |                                     |      |      |      |      |                   |  |      |      |      |      |                  |                           |      |      |       |      |                    |  |      |      |      |      |                        |  |              |      |        |      |        |   |  |      |              |                |          |  |    |           |           |       |                    |   |          |           |       |                    |     |  |          |       |                |                 |                |   |                 |          |       |      |      |  |                        |      |      |      |      |                  |                                   |      |      |      |      |  |                                       |      |      |      |      |                          |   |      |       |      |       |   |   |      |              |      |    |                                  |  |             |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |   |  |      |     |      |     |   |  |      |    |      |    |  |       |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |                           |  |  |  |  |  |                                    |  |  |  |  |                             |
| 1203  | 280  | 2203            | 140             | Multiple dependent claim, if not paid                                      |                             |                 |          |      |      |      |                    |                                     |      |      |      |      |                   |  |      |      |      |      |                  |                           |      |      |       |      |                    |  |      |      |      |      |                        |  |              |      |        |      |        |   |  |      |              |                |          |  |    |           |           |       |                    |   |          |           |       |                    |     |  |          |       |                |                 |                |   |                 |          |       |      |      |  |                        |      |      |      |      |                  |                                   |      |      |      |      |  |                                       |      |      |      |      |                          |   |      |       |      |       |   |   |      |              |      |    |                                  |  |             |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |   |  |      |     |      |     |   |  |      |    |      |    |  |       |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |                           |  |  |  |  |  |                                    |  |  |  |  |                             |
| 1204  | 84   | 2204            | 42              | **Reissue independent claims over original patent                          |                             |                 |          |      |      |      |                    |                                     |      |      |      |      |                   |  |      |      |      |      |                  |                           |      |      |       |      |                    |  |      |      |      |      |                        |  |              |      |        |      |        |   |  |      |              |                |          |  |    |           |           |       |                    |   |          |           |       |                    |     |  |          |       |                |                 |                |   |                 |          |       |      |      |  |                        |      |      |      |      |                  |                                   |      |      |      |      |  |                                       |      |      |      |      |                          |   |      |       |      |       |   |   |      |              |      |    |                                  |  |             |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |   |  |      |     |      |     |   |  |      |    |      |    |  |       |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |                           |  |  |  |  |  |                                    |  |  |  |  |                             |
| 1205  | 18   | 2205            | 9               | **Reissue claims in excess of 20 and over original patent                  |                             |                 |          |      |      |      |                    |                                     |      |      |      |      |                   |  |      |      |      |      |                  |                           |      |      |       |      |                    |  |      |      |      |      |                        |  |              |      |        |      |        |   |  |      |              |                |          |  |    |           |           |       |                    |   |          |           |       |                    |     |  |          |       |                |                 |                |   |                 |          |       |      |      |  |                        |      |      |      |      |                  |                                   |      |      |      |      |  |                                       |      |      |      |      |                          |   |      |       |      |       |   |   |      |              |      |    |                                  |  |             |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |   |  |      |     |      |     |   |  |      |    |      |    |  |       |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |                           |  |  |  |  |  |                                    |  |  |  |  |                             |
| SUBTOTAL (2)  |  |                 |                 |  | (\$ ) 00.00                 |                 |          |      |      |      |                    |                                     |      |      |      |      |                   |  |      |      |      |      |                  |                           |      |      |       |      |                    |  |      |      |      |      |                        |  |              |      |        |      |        |   |  |      |              |                |          |  |    |           |           |       |                    |   |          |           |       |                    |     |  |          |       |                |                 |                |   |                 |          |       |      |      |  |                        |      |      |      |      |                  |                                   |      |      |      |      |  |                                       |      |      |      |      |                          |   |      |       |      |       |   |   |      |              |      |    |                                  |  |             |       |      |     |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |   |  |      |     |      |     |   |  |      |    |      |    |  |       |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |                           |  |  |  |  |  |                                    |  |  |  |  |                             |

| SUBMITTED BY      |                  |                                   |        | Complete (if applicable) |                |
|-------------------|------------------|-----------------------------------|--------|--------------------------|----------------|
| Name (Print/Type) | James E. Parsons | Registration No. (Attorney Agent) | 34,691 | Telephone                | (408) 451-5906 |
| Signature         |                  |                                   |        | Date                     | 9/26/2003      |

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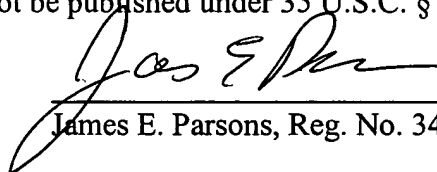
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|---|--|------------------------|--|
| <b>NONPUBLICATION REQUEST<br/>UNDER<br/>35 U.S.C. § 122(b)(2)(B)(i)</b> |  | First Named Inventor   | Sung Soon Park   |
|   |  | Title                  | SEMICONDUCTOR PACKAGE<br>STRUCTURE REDUCING WARPAGE<br>AND MANUFACTURING METHOD<br>THEREOF |
|   |  | Attorney Docket Number | AMK-BK-00001   |

I hereby certify that the invention disclosed in the attached application **has not and will not be** the subject of an application filed in another country, or under a multilateral agreement, that requires publication at eighteen months after filing.

I hereby request that the attached application not be published under 35 U.S.C. § 122(b).

September 26, 2003

Date

  
James E. Parsons, Reg. No. 34,691

(408) 451-5906  
Telephone number

This request must be signed in compliance with 37 C.F.R. § 1.33(b) and submitted with the application **upon filing**.

Applicant may rescind this nonpublication request at any time. If applicant rescinds a request that an application not be published under 35 U.S.C. § 122(b), the application will be scheduled for publication at eighteen months from the earliest claimed filing date for which a benefit is claimed.

If applicant subsequently files an application directed to the invention disclosed in the attached application in another country, or under a multilateral international agreement, that requires publication of applications eighteen months after filing, the applicant **must** notify the United States Patent and Trademark Office of such filing within forty-five (45) days after the date of the filing of such foreign or international application. **Failure to do so will result in abandonment of this application (35 U.S.C. § 122(b)(2)(B)(iii)).**

This collection of information is required by 37 CFR 1.213(a). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 6 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.